APRIL/MAY 2025

BECA63B — MOBILE COMPUTING

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

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1. List the reasons for using Cellular Systems.
2. State the benefits of Spread Spectrum System.
3. Mention the primary goal of GSM.
4. What are the basic services provided by the MAC Layer?
5. Write down the benefits of location information for routing in Adhoc Networks.
6. State the advantages of Fast Retransmit! Fast Recovery.
7. List down the capabilities of WMLScript but not supported by WML.

8. Write the use of Wireless Datagram Protocol.

9. What are WAP Protocols?

10. Write down the disadvantages of using Mobile Database.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Enumerate the advantages and disadvantages of Cellular Systems.

Or

(b) Briefly discuss on the significances of SDMA Systems.

12. (a) Narrate the concept of General Packet Radio Service.

Or

(b) Enlist the advantages and disadvantages of WLAN's.

13. (a) Write an account on ad-hoc Routing Protocols.

Or

(b) Explain the Destination Sequence Distance Vector Routing.

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14. (a) Write short notes on WAP Gateway.

Or

(b) Describe about the importance of Wireless Mark-up Language.

15. (a) Briefly describe the Client/Server computing with adaption.

Or

(b) Summarize about "Recovery and Quality of Service issues".

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Examine the types of Handoff and their characteristics.

17. Illustrate the architecture and services of IEEE Standard 802.11.

18. Discuss in detail about the Dynamic Host Configuration Protocol.

19. Expound the architecture of Wireless Application Protocol.

20. Describe about the Database Hoarding techniques.

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